

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-31. (Canceled)

32. (Currently Amended) An isolated animal host cell that is not naturally capable of forming secretory granules and that comprises a first nucleic acid encoding a human prorelaxin polypeptide comprising an amino acid sequence of SEQ ID NO: 59 or SEQ ID NO:60 or mutants thereof having a conservative amino acid substitution at one or more residues, or a porcine prorelaxin comprising a sequence of SEQ ID NO:61 or mutant thereof having a conservative amino acid substitution at one or more residues, wherein the mutant exhibits a hormonal activity of relaxin; and a second nucleic acid encoding an enzyme that is capable of cleaving the prorelaxin polypeptide to form a mature two chain relaxin polypeptide.

33. (Currently Amended) The isolated host cell of claim 32 wherein the enzyme is a prohormone convertase 1 enzyme.

34. (Currently Amended) The isolated host cell of claim 32 wherein the enzyme is KEX2.

35. (Currently Amended) A method of producing a mature two chain relaxin polypeptide comprising culturing the isolated host cell of claim 32 under conditions where the first and second nucleic acids are expressed to produce the prorelaxin polypeptide and the enzyme; cleaving the prorelaxin polypeptide with the enzyme; and recovering mature two chain relaxin polypeptide.

36. (Currently Amended) The method of claim 35 wherein the isolated host cell is mammalian.

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37. (Currently Amended) The method of claim 36 wherein the isolated host cell is a human embryonic kidney 293 cell.

38-43. (Canceled)